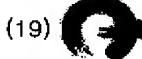


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KOREAN INTELLECTUAL PROPERTY OFFICE

KOREAN PATENT ABSTRACTS

(11) Publication number: 1020020048173 A
 (43) Date of publication of application: 22.06.2002

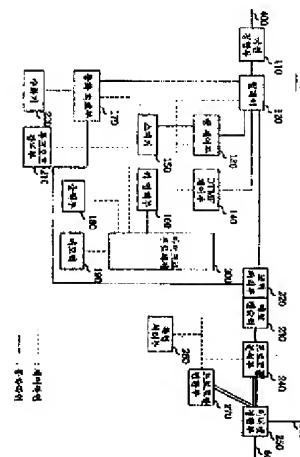
(21) Application number: 1020000077489
 (22) Date of filing: 16.12.2000
 (30) Priority:
 ..
 (51) Int. Cl H04M 1/00

(71) Applicant: HANWHA CORPORATION
 (72) Inventor: KIM, HYEON SU

(54) TELEPHONE STRUCTURE CAPABLE OF PERFORMING PSTN, VOIP, KEYPHONE CONNECTIONS AND CALL PROCESSING METHOD THEREOF

(57) Abstract:

PURPOSE: A telephone structure capable of performing PSTN (Public Switched Telephone Network), VoIP(Voice over Internet Phone), keyphone connections and the call processing method thereof are provided to possess PSTN and VoIP integrally. CONSTITUTION: A local line matching unit(100) performs a matching function with a central office. A relay(120) performs a connection function that any one among a CODEC processing unit(220)/a ring control unit(130)/a DTMF control unit(140)/a call circuit unit(170) is connected to the local line matching unit(100). The ring control unit(130) generates a ring signal under the control of a microprocessor(300), drives a speaker(150). A DTMF control unit(140) detects and generates a DTMF signal. A key input unit(160) generates a key signal according to the command of the user or a number input action and then applies the signal to the microprocessor(300). A communication circuit unit(170) processes a signal from a local line(400)/a ring control unit(130)/a CODEC processing unit(220) and then drives a receiver(200). An output unit(180) displays graphically the contents for notifying in the key input or the telephone. Therefore, the telephone makes a telephone call of PSTN and VoIP telephone call in LAN(Local Area Network), and manage various call like keyphone.



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Legal Status

Date of request for an examination (20001216)